

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 87-048

WASTE DISCHARGE REQUIREMENTS FOR:

LANDSEA MARINE TERMINAL
MARTINEZ
CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board), finds that:

1. Landsea Marine Terminal (hereinafter called the discharger) is a bulk oil storage and transfer facility located on Waterfront Road near the south shore of Carquinez Strait in Martinez. The owners of the terminal are in bankruptcy proceedings and the Landsea Marine Terminal is under the possession, operation, and control of the receiver, Paul B. Andrew. The receiver submitted a Report of Waste Discharge dated January 21, 1987.
2. The discharger currently receives and stores gasoline and petroleum fluids and ships these products by tank trucks, barges, tankers, and pipelines. Two tank farms are located on the property, one for the storage of gasoline products and the other for the storage of dark oil.
3. The wastewater from the facility consists of stormwater runoff and product water bleed-off. The stormwater is runoff from the gasoline products tank farm which has a collection area of 4.33 acres. 40-60 gallons per month of stormwater runoff will also be collected from the pump heater block area which is located in the containment area of the dark oil tank farm. The product bleedoff water contributes less than 1% of the total discharge. The wastewater is treated in an oil-water separator and currently discharged into two evaporation ponds.
4. Rainwater falling within the containment area of the dark oil tank farm will be allowed to evaporate in the containment area. Any oily runoff that occurs from the pump heater block area within this containment area will be treated in an oil-water separator and routed to the evaporation ponds.
5. According to Federal Spill Prevention Control and Countermeasure regulations, oil tank farm containment areas have to have sufficient capacity to contain the entire contents of the largest single tank plus sufficient freeboard to allow for precipitation. The dark oil containment area currently does not have the required capacity. The containment area will be modified in order to meet the Federal requirements.

6. The two evaporation ponds are classified as Class II surface impoundments. The ponds have an approximate capacity of 4.05 acre-ft. The total area of the ponds is 0.99 acres and the depth is 6 ft. deep.
7. The two ponds are underlain by three different geologic units: (1) a thick sequence of bay mud and peat with some sand lenses; (2) a thick firm sandy silty clay layer; and (3) bedrock. The bay mud, peat and sand lenses unit range in thickness from approximately 15 feet beneath the pond to 75 ft. in the pond area. Groundwater is encountered at approximately 5 to 10 feet below the ground surface in the pond area.
8. The surface impoundments must be modified to comply with the requirements of Title 23, Chapter 3, Subchapter 15 of the California Administrative Code which became effective November 26, 1984 (Subchapter 15). Sections 2510 (b) and (c) of Subchapter 15 state that the discharger may request the Board to grant exemptions from specific requirements if particular criteria are met.
9. The facility does not currently have Waste Discharge Requirements for the Class II surface impoundments.
10. The potential beneficial uses of groundwater in the area are:
 - a. Industrial Process and Service Supply
 - b. Agricultural Supply
 - c. Recharge of Surface Waters
11. The Regional Board adopted a revised Water Quality Plan for the San Francisco Bay Basin on July 1, 1982 and this Order implements the water quality objectives stated in that plan.
12. The issuance of waste discharge requirements for this discharge is exempt from the California Environmental Quality Act (Public Resources Section 2100 et. seq.) in accordance with Section 15301 of the California Administrative Code.
13. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge, and has provided them with an opportunity to submit their written views and recommendations.
14. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the discharger, and any other person(s) that currently or in the future own this land or operate this facility, shall meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and shall also comply with the following:

A. PROHIBITIONS

1. The discharge of wastewater from washing the interior of trucks and associated pipe flushing operations to the surface impoundments is prohibited. The washing of truck cabs and the exterior of trucks is not prohibited.
2. The disposal of waste shall not create a pollution or nuisance as defined in Section 13050(1) of the California Water Code.
3. Wastes shall not be disposed of in any position where they can be carried from the disposal site and discharged into waters of the State or of the United States.
4. The discharge of any waste from the surface impoundments to groundwaters of the State is prohibited.
5. The discharger, or any future owner or operator of this site, shall not cause the following conditions to exist in waters of the State at any place outside the waste management facility:
 - a. Surface Waters
 1. Floating, suspended, or deposited macroscopic particulate matter or foam.
 2. Bottom deposits or aquatic growth.
 3. Alteration of temperature, turbidity, or apparent color beyond natural background levels.
 4. Visible, floating, suspended or deposited oil or other products of petroleum origin.
 5. Toxic or other deleterious substances to be present in concentrations or quantities which may cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentrations.
 - b. Groundwater
 1. The groundwater shall not be degraded as a result of the waste disposal operation.

B. SPECIFICATIONS

1. The waste management units shall prevent migration of wastes to adjacent geologic materials, groundwater, or surface water, throughout the operation, closure, and post-closure periods.

2. The surface impoundments shall be operated to ensure that wastes will be a minimum of five feet above the anticipated elevation of underlying groundwater. An exception to this may be granted by the Board based on a demonstration submitted by the discharger pursuant to Section 2510(b) and (c) of Subchapter 15.
3. All waste management units shall have foundations capable of supporting the containment structures and capable of withstanding hydraulic pressure gradients to prevent failure due to settlement, compression, or uplift.
4. The materials used for containment structures shall have appropriate chemical and physical properties to ensure containment of wastes at all times. Liner permeabilities shall be determined relative to the liquids contained in the ponds and shall be determined by appropriate field test methods in accordance with accepted civil engineering practice. Earthen materials used in containment structures shall meet the specifications given in Section 2541 (d) of Subchapter 15.
5. The waste management units shall be designed and constructed to withstand ground accelerations associated with the maximum credible earthquake without damage to the foundation, the containment structures, and other structures which control leachate, surface drainage, or erosion.
6. The containment structures of the waste management units shall be designed, constructed, and maintained to preclude failure as a result of potential rapid geologic changes.
7. Direct pipeline discharge to surface impoundments shall be either equipped with devices, or shall continue to have fail-safe operating procedures, to prevent overfilling.
8. The surface impoundments shall be designed, constructed, and operated to prevent scouring of containment structures at points of discharge into the impoundments and by wave action at the waterline.
9. The surface impoundment shall be operated to accommodate seasonal precipitation of a 10 year return frequency season and precipitation conditions of a 24 hour storm with a 1000 year return frequency to prevent overtopping. In any case, a minimum of two feet freeboard shall be maintained in each pond at all times.
10. The evaporation ponds shall be protected from washout or erosion, and from inundations occurring as the result of a flood having a recurrence frequency of 100 years.
11. The evaporation ponds shall be modified with a liner or liners according to the specifications and standards under Section 2542 of Subchapter 15, after approval of the proposed modifications by the Executive Officer. If multiple liners are used the pond shall be modified with a leachate collection and removal system,

according to the specifications and standards under Section 2543. An exception to these requirements may be granted by the Board based on a demonstration submitted by the discharger pursuant to Section 2510(b) and (c) of Subchapter 15.

C. PROVISIONS

1. The discharger shall comply with all sections of this order immediately upon adoption except Specifications B.2, B.3, B.4, B.5, and B.11.
- a. The discharger shall comply with the following timeschedule to achieve compliance with Specifications B.2, B.3, B.4, B.5, and B.11.


<u>Task</u>	<u>Completion date</u>	<u>Report Date</u>
Document compliance or submit plan and schedule to achieve compliance with B.3, B.5.		August 15, 1987
Submit a detailed proposal and timeschedule for the necessary modifications or submit a demonstration for exception for B.2, B.4, B.11.	-	August 15, 1987
Full compliance with Specifications B.2, B.3, B.5, B.4, B.11	November 31, 1987	November 31, 1987

2. The discharger is required to develop a monitoring program which will comply with the requirements of Article 5, Subchapter 15 and shall submit said program to the Regional Board by August 15, 1987.
3. The discharger is required to develop a closure plan which will comply with the requirements of Article 8, Subchapter 15 and shall submit said program to the Regional Board by November 31, 1987.
4. An operation plan shall be submitted by to the Regional Board which will provide waste input quantities and operation levels permitted each month based on anticipated precipitation and on past precipitation conditions for the year.
5. The discharger is required to submit a plan of proposed modifications and a documentation of compliance with the Federal Spill Prevention Control and Countermeasures (SPCC) regulations. The plan of proposed modifications shall be submitted by August 15, 1987 and the documentation of compliance shall be submitted by November 31, 1987.

6. The discharger is required to submit by November 31, 1987, a contingency plan for the facility which will include both the dark oil and gasoline products tank farm areas. This plan shall also include operation and management of the dark oil tank farm containment area. The SPCC Plan may be submitted to meet this requirement.
7. Equipment shall be provided to prevent any leak or spill from the transfer of petroleum products from tank, truck, barge, or pipeline from contacting stormwater runoff and entering waters of the State.
8. All reports pursuant to these Provisions shall be prepared under the supervision of a registered civil engineer or certified engineering geologist.
9. The discharger shall file with this Board a report of any material change or proposed change in the character, location, or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries of the disposal areas or the ownership of the site.
10. The discharger shall maintain a copy of this Order at the site so as to be available at all time to site operating personnel.
11. This Board considers the property owner and site operator to have continuing responsibility for correcting any problems which arise in the future as a result of this waste discharge or related operations.
12. The discharger shall maintain all devices or designed features installed in accordance with this Order such that they continue to operate as intended without interruption except as a result of failures which could not have been reasonably foreseen or prevented by the discharger.
13. The discharger shall permit the Regional Board or its authorized representative, upon presentation of credentials:
 - a. Entry upon the premises on which wastes are located or in which any required records are kept.
 - b. Access to copy any records required to be kept under the terms and conditions of this Order.
 - c. Inspection of any treatment equipment, monitoring equipment, or monitoring method required by this Order.
 - d. Sampling of any discharge or groundwater covered by this Order.
14. These requirements do not authorize commission of any act causing injury to the property of another or of the public; do not convey any property rights; do not remove liability under federal, state or local laws; and do not authorize the discharge of wastes

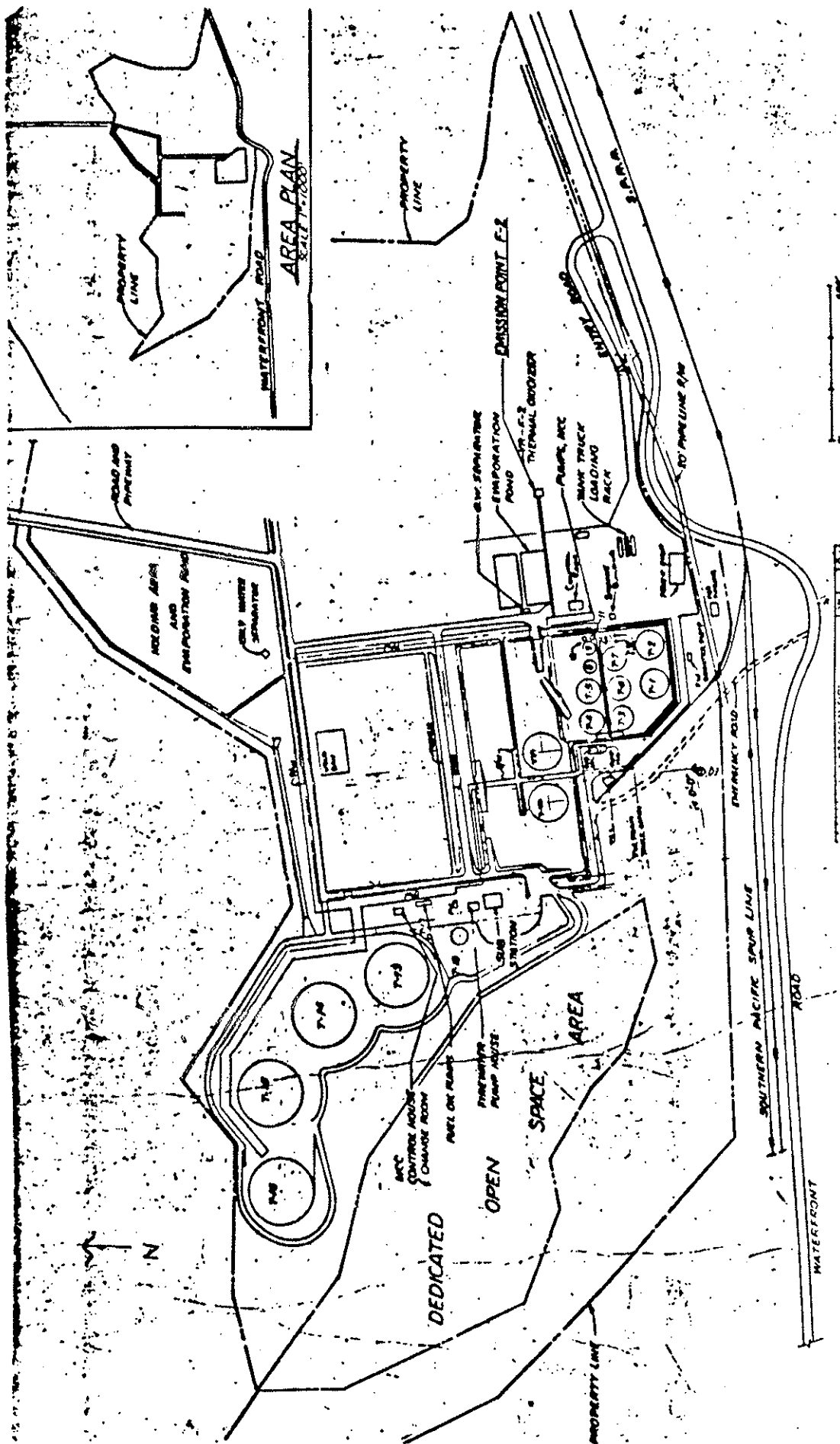
without appropriate permits from other agencies or organizations.

I, Roger B. James, Executive Officer, do hereby certify that the foregoing is a full, complete, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on May 20, 1987.



Roger B. James
Executive Officer

Attachments: A) Site map



SITE MAP - LANDSEA MARINE TERMINAL
Mantinea, Contra Costa County